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<u>L10</u>	L8 and (knockout or disruption)	2	<u>L10</u>
<u>L9</u>	L8 and (gene adj targeting)	2	<u>L9</u>
<u>L8</u>	(BSMAP) or ((brain adj specific) adj (membrane adj anchored))	10	<u>L8</u>
<u>L7</u>	L6 and (BSMAP)	1	<u>L7</u>
<u>L6</u>	Allen-keith-D\$.in.	73	<u>L6</u>
<u>L5</u>	L3 and ((Factor adj IX) adj intron)	11	<u>L5</u>
<u>L4</u>	L3 and ((Factor adj XI) adj intron)	0	<u>L4</u>
<u>L3</u>	L2 and (modified or altered)	109	<u>L3</u>
<u>L2</u>	(Factor adj VIII) same (intron)	123	<u>L2</u>
<u>L1</u>	Negrier-claude.in.	7	<u>L1</u>

END OF SEARCH HISTORY

### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)  
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES  
PLEASE LOGON:

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### Status: Signing onto Dialog

\*\*\*\*\*

ENTER PASSWORD:

\*\*\*\*\* HHHHHHHH SSSSSSSS? \*\*\*\*\*

Welcome to DIALOG

### Status: Connected

*Paula Escobar*

*6/10/03*

Dialog level 02.14.01D

Last logoff: 02jun03 15:02:33

Logon file001 03jun03 09:19:47

\*\*\* ANNOUNCEMENT \*\*\*

\*\*\*

--File 581 - The 2003 annual reload of Population Demographics is complete. Please see Help News581 for details.

\*\*\*

--File 156 - The 2003 annual reload of ToxFile is complete. Please see HELP NEWS156 for details.

\*\*\*

--File 990 - NewsRoom now contains February 2003 to current records. File 992 - NewsRoom 2003 archive has been newly created and contains records from January 2003. The oldest months's records roll out of File 990 and into File 992 on the first weekend of each month. To search all 2003 records BEGIN 990, 992, or B NEWS2003, a new OneSearch category.

\*\*\*

--Connect Time joins DialUnits as pricing options on Dialog. See HELP CONNECT for information.

\*\*\*

--CLAIMS/US Patents (Files 340,341, 942) have been enhanced with both application and grant publication level in a single record. See HELP NEWS 340 for information.

\*\*\*

--SourceOne patents are now delivered to your email inbox as PDF replacing TIFF delivery. See HELP SOURCE1 for more information.

\*\*\*

--Important news for public and academic libraries. See HELP LIBRARY for more information.

\*\*\*

--Important Notice to Freelance Authors--  
See HELP FREELANCE for more information

\*\*\*

#### NEW FILES RELEASED

\*\*\*World News Connection (File 985)

\*\*\*Dialog NewsRoom - 2003 Archive (File 992)

\*\*\*TRADEMARKSCAN-Czech Republic (File 680)

\*\*\*TRADEMARKSCAN-Hungary (File 681)

\*\*\*TRADEMARKSCAN-Poland (File 682)

\*\*\*

UPDATING RESUMED

\*\*\*

RELOADED

\*\*\*Population Demographics -(File 581)

\*\*\*CLAIMS Citation (File 20-222)

REMOVED

\*\*\*U.S. Patents Fulltext 1980-1989 (File 653)

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<  
>>> of new databases, price changes, etc. <<<  
\*\*\*\*

KWIC is set to 50.

HIGHLIGHT set on as '\*'

\* \* \* \* See HELP NEWS 225 for information on new search prefixes  
and display codes

\*\*\*

\*\*\*

File 1:ERIC 1966-2003/May 27  
(c) format only 2003 The Dialog Corporation

Set	Items	Description
---	-----	-----

Cost is in DialUnits

?b 155, 5, 73

03jun03 09:19:56 User259876 Session D507.1

\$0.32 0.092 DialUnits File1

\$0.32 Estimated cost File1

\$0.03 TELNET

\$0.35 Estimated cost this search

\$0.35 Estimated total session cost 0.092 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1966-2003/May W4

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**\*File 155: Medline has been reloaded and accession numbers have  
changed. Please see HELP NEWS 155.**

File 5:Biosis Previews(R) 1969-2003/May W4

(c) 2003 BIOSIS

**\*File 5: Alert feature enhanced for multiple files, duplicates  
removal, customized scheduling. See HELP ALERT.**

File 73:EMBASE 1974-2003/May W4

(c) 2003 Elsevier Science B.V.

**\*File 73: Alert feature enhanced for multiple files, duplicates  
removal, customized scheduling. See HELP ALERT.**

Set	Items	Description
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?s (BSMAP) or (brain (w) specific (w) membrane (w) anchored (w) protein)

3 BSMAP

1491111 BRAIN

2367453 SPECIFIC

1491524 MEMBRANE

21003 ANCHORED

3537850 PROTEIN

3 BRAIN(W) SPECIFIC(W) MEMBRANE(W) ANCHORED(W) PROTEIN

S1 3 (BSMAP) OR (BRAIN (W) SPECIFIC (W) MEMBRANE (W) ANCHORED  
(W) PROTEIN)

?rd

...completed examining records

S2 1 RD (unique items)

?t s2/3,k/all

2/3,K/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv.

12012476 99458621 PM 10527841

**\*BSMAP\* , a novel protein expressed specifically in the brain whose gene is localized on chromosome 19p12.**

Elson G C; de Coignac A B; Aubry J P; Delneste Y; Magistrelli G; Holzwarth J; Bonnefoy J Y; Gauchat J F

Centre d'Immunologie Pierre Fabre, St. Julien-en-Genevois, France.  
greg.elson@pierre-fabre.com

Biochemical and biophysical research communications (UNITED STATES) Oct 14 1999, 264 (1) p55-62, ISSN 0006-291X Journal Code: 0372516

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

**\*BSMAP\* , a novel protein expressed specifically in the brain whose gene is localized on chromosome 19p12.**

Using the sequence of cosmids derived from chromosome 19p12, we have identified a gene encoding a novel protein, \*BSMAP\* (\*brain\*-specific\* membrane\*-anchored\* protein\* ) and cloned cDNA encoding the full-length open reading frame. Northern blot analysis revealed that \*BSMAP\* mRNA is preferentially expressed at a high level in the brain. \*BSMAP\* has a putative transmembrane domain and is predicted to be a type-I membrane glycoprotein. Genomic sequence analysis revealed that the gene encoding \*BSMAP\* consists of eight exons spanning approximately 8 kb and lies 6 kb away from the gene encoding CLF-1 in a reverse orientation. Although no...

... found to map either to this precise region of chromosome 19 or to the syntenic region of the mouse genome, the highly specific expression of \*BSMAP\* mRNA suggests a role for the protein in CNS function. Copyright 1999 Academic Press.

Chemical Name: \*BSMAP\* protein; DNA, Complementary; Membrane Proteins; Nerve Tissue Proteins; Receptors, Cytokine; cytokine-like factor-1

?s (BSMAP) and (gene (w) targeting)

3 BSMAP

2036713 GENE

109665 TARGETING

22479 GENE(W)TARGETING

S3 0 (BSMAP) AND (GENE (W) TARGETING)

?s (prepulse (w) inhibition)

4008 PREPULSE

1200939 INHIBITION

S4 2256 (PREPULSE (W) INHIBITION)

?s s4 and (schizophrenic)

2256 S4

2 SCHIZOPRHENIC

S5 0 S4 AND (SCHIZOPRHENIC)

?s s4 and (schizophrenic)

2256 S4

56383 SCHIZOPHRENIC

S6 324 S4 AND (SCHIZOPHRENIC)

?s s6 and review

324 S6

1354258 REVIEW

S7 16 S6 AND REVIEW

?rd

...completed examining records

S8 13 RD (unique items)

?t s8/3,k/all

8/3,K/1 (Item 1 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv.

09644719 21432867 PMID: 11549232

**Environmental animal models for sensorimotor gating deficiencies in schizophrenia: a review\*.**

Weiss I C; Feldon J  
Behavioral Neurobiology Laboratory, ETH, Zurich, Switzerland.  
Psychopharmacology (Germany) Jul 2001, 156 (2-3) p305-26, ISSN  
0033-3158 Journal Code: 7608025  
Document type: Journal Article; Review; Review, Academic  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: Completed

**Environmental animal models for sensorimotor gating deficiencies in schizophrenia: a \*review\*.**

... research is widely recognised, largely because they can provide precious knowledge regarding the neurobiology of schizophrenia and can also be used for developing antipsychotic drugs. \*Prepulse\* \*inhibition\* (PPI; reduction in startle reflex induced by a prestimulus) is impaired in \*schizophrenic\* patients, a finding that has been associated with a loss of sensorimotor gating abilities. In rats, the \*schizophrenic\* -like PPI deficit can be induced by pharmacological or surgical manipulations targeting mainly the cortico-meso-limbic circuitry. OBJECTIVES: The literature was critically reviewed in...

...environmental models on sensorimotor gating processes as assessed in the PPI paradigm, with an attempt to evaluate their face, predictive and construct validity. RESULTS: Our \*review\* of the literature leads to the conclusion that social deprivation performed directly after weaning (approximately 21 days of age) is more likely to be a...

Descriptors: Environment; \*\*Schizophrenic\* Psychology; \*Startle Reaction  
--physiology--PH

**8/3,K/2 (Item 2 from file: 155)**

DIALOG(R) File 155:MEDLINE(R)

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09644713 21432861 PMID: 11549226

**Human studies of \*prepulse\* \*inhibition\* of startle: normal subjects, patient groups, and pharmacological studies.**

Braff D L; Geyer M A; Swerdlow N R  
Department of Psychiatry, UCSD, La Jolla, CA 92093-0804, USA.  
dbraff@ucsd.edu

Psychopharmacology (Germany) Jul 2001, 156 (2-3) p234-58, ISSN  
0033-3158 Journal Code: 7608025

Contract/Grant No.: MH42228; MH; NIMH  
Document type: Journal Article; Review; Review, Academic  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: Completed

**Human studies of \*prepulse\* \*inhibition\* of startle: normal subjects, patient groups, and pharmacological studies.**

RATIONALE: Since the mid-1970s, cross-species translational studies of \*prepulse\* \*inhibition\* (PPI) have increased at an astounding pace as the value of this neurobiologically informative measure has been optimized. PPI occurs when a relatively weak sensory...

... in a robust, predictable manner when the prepulse and startling stimuli occur in either the same or different modalities (acoustic, visual, or cutaneous). OBJECTIVE: This \*review\* covers three areas of interest in human PPI studies. First, we \*review\* the normal influences on PPI related to the underlying construct of sensori- (prepulse) motor (startle reflex) gating. Second, we \*review\* PPI studies in psychopathological disorders that form a family of gating disorders. Third, we \*review\* the relatively limited but interesting and rapidly expanding literature on pharmacological influences on PPI in humans. METHODS: All studies identified by a computerized literature search that addressed the three topics of this \*review\* were compiled and evaluated. The principal studies were summarized in appropriate tables. RESULTS: The major influences on PPI as a measure of

sensorimotor gating can.

; Mental Disorders--physiopathology--PP; \*Schizophrenic\* Psychology

**8/3,K/3 (Item 3 from file: 155)**

DIALOG(R) File 155:MEDLINE(R)

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09644703 21432851 PMID: 11549216

**Pharmacological studies of \*prepulse\* \*inhibition\* models of sensorimotor gating deficits in schizophrenia: a decade in \*review\*.**

Geyer M A; Krebs-Thomson K; Braff D L; Swerdlow N R

Department of Psychiatry, University of California, San Diego, La Jolla 92093-0804, USA. mgeyer@ucsd.edu

Psychopharmacology (Germany) Jul 2001, 156 (2-3) p117-54, ISSN 0033-3158 Journal Code: 7608025

Contract/Grant No.: MH42228; MH; NIMH; MH52885; MH; NIMH; MH61326; MH; NIMH; +

Document type: Journal Article; Review; Review, Academic

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

**Pharmacological studies of \*prepulse\* \*inhibition\* models of sensorimotor gating deficits in schizophrenia: a decade in \*review\*.**

RATIONALE: Patients with schizophrenia exhibit deficits in an operational measure of sensorimotor gating: \*prepulse\* \*inhibition\* (PPI) of startle. Similar deficits in PPI are produced in rats by pharmacological or developmental manipulations. These experimentally induced PPI deficits in rats are clearly...

... treatments. In addition, some developmental manipulations, such as isolation rearing, have provided non-pharmacological animal models of the PPI deficits seen in schizophrenia. OBJECTIVE: This \*review\* summarizes and evaluates studies assessing the effects of systemic drug administrations on PPI in rats. METHODS: Studies examining systemic drug effects on PPI in rats...

... medications. Because each of these models has specific advantages and disadvantages, the choice of model to be used depends upon the question being addressed. This \*review\* should help to guide such decisions.

Descriptors: \*Schizophrenic\* Psychology; \*Startle Reaction--drug effects --DE

**8/3,K/4 (Item 4 from file: 155)**

DIALOG(R) File 155:MEDLINE(R)

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09636787 21423639 PMID: 11532605

**Sensorimotor gating deficits and hypofrontality in schizophrenia.**

Hazlett E A; Buchsbaum M S

Department of Psychiatry, Box 1505, Mount Sinai School of Medicine, 1 Gustave L. Levy Place, New York, NY 10029, USA. erin.hazlett@mssm.edu

Front Biosci (United States) Sep 1 2001, 6 pD1069-72, ISSN 1093-4715 Journal Code: 9702166

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Patients with schizophrenia exhibit (a) deficient sensorimotor gating as indexed by impaired \*prepulse\* \*inhibition\* (PPI) of the startle eyeblink reflex suggesting abnormal automatic information processing and (b) abnormal attentional modulation of PPI suggesting impaired controlled information processing. Here we...

; Attention--physiology--PH; Glucose--metabolism--ME; Aural Inhibition  
--physiology--PH; \*Review\* Literature; Schizophrenia--diagnosis--DI;  
Schizophrenia--metabolism--ME; \*Schizophrenic\* Psychology; Startle  
Reaction--physiology--PH; Tomography, Emission-Computed

8/3,K/5 (Item 5 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

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08069430 94135178 PMID: 8303224

**Sensory gating and inhibitory function in late-life schizophrenia.**

McDowd J M; Fillion D L; Harris M J; Braff D L

Dept. of Psychology, Pomona College, Claremont, CA 91711.

Schizophrenia bulletin (UNITED STATES) 1993, 19 (4) p733-46, ISSN  
0586-7614 Journal Code: 0236760

Contract/Grant No.: MH-42228; MH; NIMH; MH-45131; MH; NIMH

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

... have been recognized for over 50 years, little work has been done to directly examine these similarities or their implications for late-life schizophrenia. We \*review\* studies of \*prepulse\* \*inhibition\*, habituation, latent inhibition, and negative priming that indicate marked similarities in the patterns of deficits observed in schizophrenia and in aging. We also present new data from preliminary studies of \*prepulse\* \*inhibition\* and negative priming in which we compare young normal controls, older adult normal controls, and late-life schizophrenia patients. For both measures, both schizophrenia patients...

Descriptors: Arousal; \*Attention; \*Inhibition (Psychology);  
\*Schizophrenia--diagnosis--DI; \*\*Schizophrenic\* Psychology

8/3,K/6 (Item 6 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

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06912246 91152542 PMID: 2292046

**Startle response models of sensorimotor gating and habituation deficits in schizophrenia.**

Geyer M A; Swardlow N R; Mansbach R S; Braff D L

Department of Psychiatry, University of California, San Diego, La Jolla  
92093-0804.

Brain research bulletin (UNITED STATES) Sep 1990, 25 (3) p485-98,  
ISSN 0361-9230 Journal Code: 7605818

Contract/Grant No.: DA02925; DA; NIDA; MH00188; MH; NIMH; MH42228; MH;  
NIMH

Document type: Journal Article; Review; Review, Tutorial

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Studies of \*prepulse\* \*inhibition\* and habituation of startle responses elicited by intense stimuli provide some unusual opportunities for cross-species explorations of attentional deficits characteristic of \*schizophrenic\* patients. \*Schizophrenic\* patients exhibit deficits in both the \*prepulse\* \*inhibition\* of startle and the habituation of startle. The behavioral plasticity of startle responses and the comparability of the test paradigms used in rats and humans greatly facilitates the development of animal models of specifiable behavioral abnormalities in \*schizophrenic\* patients. This \*review\* describes two such examples of parallel animal and human models, one involving sensorimotor gating and the other examining behavioral habituation. Evidence is presented supporting the involvement of mesolimbic dopaminergic systems in the modulation of \*prepulse\*



\*inhibition\* or sensorimotor gating and the importance of central serotonergic systems in the habituation of startle.

8/3,K/7 (Item 1 from file: 73)

DIALOG(R) File 73:EMBASE

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11853599 EMBASE No: 2002420828

**Mouse models for psychiatric disorders**

Seong E.; Seasholtz A.F.; Burmeister M.

E. Seong, Mental Health Research Institute, Neuroscience Program,  
University of Michigan, Ann Arbor, MI 48109 United States

AUTHOR EMAIL: margit@umich.edu

Trends in Genetics ( TRENDS GENET. ) (United Kingdom) 01 DEC 2002,  
18/12 (643-650)

CODEN: TRGEE ISSN: 0168-9525

PUBLISHER ITEM IDENTIFIER: S016895250202807X

DOCUMENT TYPE: Journal ; Review

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 75

...are difficult to identify, and those that have been proposed so far remain ambiguous. As it is unrealistic to expect the development of, say, a '\*schizophrenic\*' or 'autistic' mouse, mice are unlikely to have the same role in gene identification in psychiatry as circling mice did in the discovery of human...

**MEDICAL DESCRIPTORS:**

...technology; tissue specificity; Caenorhabditis elegans; gene locus; depression; schizophrenia; antisocial behavior; autism; genetic trait; anxiety neurosis; forced swimming test; attention deficit disorder; chromosome; gene mapping; \*prepulse\* \*inhibition\*; gene deletion; knockout mouse; null allele; genetic screening; wild type; DNA screening; spermatozoon; nucleotide sequence; genetic analysis; circadian rhythm; genetic variability; molecular cloning; genetic recombination; anxiety disorder; hypothalamus hypophysis adrenal system; mood disorder; adrenal gland; homeostasis; negative feedback; hormonal regulation; hormone action; anatomical variation; nonhuman; mouse; \*review\*; priority journal

8/3,K/8 (Item 2 from file: 73)

DIALOG(R) File 73:EMBASE

(c) 2003 Elsevier Science B.V. All rts. reserv.

11672740 EMBASE No: 2002245241

**Effects of typical and atypical antipsychotics on \*prepulse\* \*inhibition\* in schizophrenia: A critical evaluation of current evidence and directions for future research**

Kumari V.; Sharma T.

T. Sharma, Clinic. Neuroscience Research Centre, Stonehouse Hospital,  
Cotton Lane, Dartford, Kent DA2 6AU United Kingdom

AUTHOR EMAIL: t.sharma@psychmed.org.uk

Psychopharmacology ( PSYCHOPHARMACOLOGY ) (Germany) 2002, 162/2  
(97-101)

CODEN: PSCHD ISSN: 0033-3158

DOCUMENT TYPE: Journal ; Review

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 48

**Effects of typical and atypical antipsychotics on \*prepulse\* \*inhibition\* in schizophrenia: A critical evaluation of current evidence and directions for future research**

\*Prepulse\* \*inhibition\* (PPI) of the startle response refers to an attenuation in response to a strong stimulus (pulse) if this is preceded shortly by a weak non...

...this model using within-subjects longitudinal designs and reasonable sample sizes to establish superiority of particular atypical antipsychotics over typical antipsychotics in improving PPI in \*schizophrenic\* populations.

MEDICAL DESCRIPTORS:

\*schizophrenia--drug therapy--dt; \*\*prepulse\* \*inhibition\*  
...model; dose response; prefrontal cortex; extrapyramidal symptom--drug therapy--dt; cigarette smoking; drug mechanism; drug effect; drug efficacy; reliability; longitudinal study; drug megadose; human; nonhuman; \*review\*; priority journal

8/3,K/9 (Item 3 from file: 73)

DIALOG(R)File 73:EMBASE

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11436968 EMBASE No: 2002008453

**The role of neurotensin in the pathophysiology of schizophrenia and the mechanism of action of antipsychotic drugs**

Binder E.B.; Kinkead B.; Owens M.J.; Nemeroff C.B.

Dr. C.B. Nemeroff, Emory University School of Medicine, Department of

Psychiatry, 1639 Pierce Drive, Atlanta, GA 30322-4990 United States

Biological Psychiatry ( BIOL. PSYCHIATRY ) (United States) 01 DEC 2001

, 50/11 (856-872)

CODEN: BIPCB ISSN: 0006-3223

PUBLISHER ITEM IDENTIFIER: S0006322301012112

DOCUMENT TYPE: Journal ; Conference Paper

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 158

...systems previously demonstrated to be dysregulated in this disorder. Clinical studies in which cerebrospinal fluid (CSF) NT concentrations have been measured revealed a subset of \*schizophrenic\* patients with decreased CSF NT concentrations that are restored by effective antipsychotic drug treatment. Considerable evidence also exists concordant with the involvement of NT systems...

...differentially alter NT neurotransmission in nigrostriatal and mesolimbic dopamine (DA) terminal regions, and these effects are predictive of side effect liability and efficacy, respectively. This \*review\* summarizes the evidence in support of a role for the NT system in both the pathophysiology of schizophrenia and the mechanism of action of antipsychotic...

MEDICAL DESCRIPTORS:

...mechanism; neurotransmission; protein targeting; neuromodulation; clinical study; cerebrospinal fluid; behavior; biochemistry; drug efficacy; genetic polymorphism; drug effect; depolarization; brain region; dopaminergic nerve cell; dopaminergic transmission; \*prepulse\* \*inhibition\*; human; nonhuman; conference paper; priority journal

8/3,K/10 (Item 4 from file: 73)

DIALOG(R)File 73:EMBASE

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10979665 EMBASE No: 2001023842

**Disruption of \*prepulse\* \*inhibition\* of acoustic startle as an animal model for schizophrenia**

Yamada S.

S. Yamada, Department of Psychiatry, Saga Medical School, 5-1-1,

Nabeshima, Saga 849-8501 Japan

Japanese Journal of Psychopharmacology ( JPN. J. PSYCHOPHARMACOL. ) ( Japan) 2000, 20/4 (131-139)

CODEN: YSKOD ISSN: 1340-2544

DOCUMENT TYPE: Journal ; Review

LANGUAGE: JAPANESE SUMMARY LANGUAGE: ENGLISH; JAPANESE

NUMBER OF REFERENCES:

**Disruption of \*prepulse\* \*inhibition\* of acoustic startle as an animal model for schizophrenia**

Disruption of \*prepulse\* \*inhibition\* (PPI) of acoustic startle in rats has been widely used as an animal model for the sensorimotor gating deficit state usually found in schizophrenia. PPI...

...the disruption of PPI caused by PCP or DA agonists would be a candidate for a therapeutic agent for the sensorimotor gating deficit state in \*schizophrenic\* patients. Neural mechanisms underlying the disruption of PPI were reviewed.

MEDICAL DESCRIPTORS:

**\*prepulse\* \*inhibition\***; **\*startle reflex\***; **\*schizophrenia--drug therapy--dt auditory stimulation\***; **sensorimotor function\***; **forebrain\***; **limbic cortex\***; **nucleus accumbens\***; **globus pallidus\***; **drug receptor binding\***; **binding affinity\***; **human\***; **nonhuman\***; **rat\***; **animal experiment\***; **animal model\***; **controlled study\***; **\*review\***

8/3,K/11 (Item 5 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2003 Elsevier Science B.V. All rts. reserv.

10864316 EMBASE No: 2000347073

**The role of glutamate receptors in antipsychotic drug action**

Ossowska K.; Pietraszek M.; Wardas J.; Nowak G.; Zajackowski W.; Wolfarth S.; Pilc A.

Dr. K. Ossowska, Dept. of Neuro-Psychopharmacology, Institute of Pharmacology, Polish Academy of Sciences, 12 Smetna Street, PL-31-343 Krakow Poland

Amino Acids ( AMINO ACIDS ) (Austria) 2000, 19/1 (87-94)

CODEN: AACIE ISSN: 0939-4451

DOCUMENT TYPE: Journal; Review

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 33

...Furthermore, their behavioral effects were compared with those of the novel agonist of group II glutamate metabotropic receptors, LY 354740, in some animal models of \*schizophrenic\* deficits. We found that long-term administration of the typical neuroleptic haloperidol and the atypical one clozapine increased the number of NMDA receptors labelled with [sup 3H]CGP 39653 in different cortical areas. Long-, but not short-term, treatment with haloperidol and raclopride diminished the deficit of \*prepulse\* \*inhibition\* produced by phencyclidine, which is a model of sensorimotor gating deficit in schizophrenia. In contrast, neither short- nor long-term treatment with clozapine influenced the phencyclidine effect in that model. Acute treatment with LY 354740 reversed neither (1) the deficit of \*prepulse\* \*inhibition\* produced by phencyclidine or apomorphine, nor (2) the impairment in a delayed alternation task induced by MK-801, which is commonly used to model the...

MEDICAL DESCRIPTORS:

**drug mechanism\***; **neurotransmission\***; **pathophysiology\***; **long term exposure\***; **\*prepulse\* \*inhibition\***; **brain cortex\***; **sensorimotor function\***; **drug receptor binding\***; **nonhuman\***; **rat\***; **animal experiment\***; **animal model\***; **controlled study\***; **\*review\***; **priority journal**

8/3,K/12 (Item 6 from file: 73)

DIALOG(R)File 73:EMBASE

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10766031 EMBASE No: 2000246360

**Pharmacological and molecular targets in the search for novel antipsychotics**

Scatton B.; Sanger D.J  
 B. Scatton, Discovery Research, Sanofi-Synthelabo Research, 31 Avenue  
 Paul Vaillant-Couturier, 92220 Bagneux France  
 AUTHOR EMAIL: bernard.scatton@sanofi-synthelabo.com  
 Behavioural Pharmacology ( BEHAV. PHARMACOL. ) (United Kingdom) 2000,  
 11/3-4 (243-256)  
 CODEN: BPHAE ISSN: 0955-8810  
 DOCUMENT TYPE: Journal; Review  
 LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH  
 NUMBER OF REFERENCES: 161

The recent enthusiasm among clinicians for the so-called 'atypical  
 antipsychotics' has both improved treatment for \*schizophrenic\* patients  
 and provided a welcome stimulus for basic research on antipsychotic  
 mechanisms. Even the newer drugs have shortcomings, and research is  
 underway aimed at identifying...

MEDICAL DESCRIPTORS:

...receptor occupancy; drug selectivity; negative syndrome--drug therapy  
 --dt; serotonergic system; drug efficacy; dopaminergic system;  
 cholinergic activity; drug potentiation; drug targeting; dose response;  
 dopamine release; \*prepulse\* \*inhibition\*; startle reflex; \*review\*

8/3,K/13 (Item 7 from file: 73)

DIALOG(R)File 73:EMBASE

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**Animal models of schizophrenia**

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...the interaction of genetic and environmental influences. A  
 neuro-developmental model is used to explain the observed structural and  
 functional abnormalities in the brain of \*schizophrenic\* patients. In the  
 past most animal models for schizophrenia have been used to develop new  
 medication and to explain the mode of action of antipsychotic drugs.  
 However, in recent years more attention has focused on developing models  
 which may be more related to the \*schizophrenic\* (psycho)pathology. The new  
 generation of animal models focus predominantly on mimicking the  
 neurodevelopmental hypothesis of schizophrenia, by manipulating rats in a  
 very early stage...

MEDICAL DESCRIPTORS:

\*prepulse\* \*inhibition\*; latent inhibition; sensory nerve; human; nonhuman;  
 animal experiment; animal model; \*review\*  
 ?ds

Set	Items	Description
S1	3	(BSMAP) OR (BRAIN (W) SPECIFIC (W) MEMBRANE (W) ANCHORED (- W) PROTEIN)
S2	1	RD (unique items)
S3	0	(BSMAP) AND (GENE (W) TARGETING)
S4	2256	(PREPULSE (W) INHIBITION)
S5	0	S4 AND (SCHIZOPHRENIC)
S6	324	S4 AND (SCHIZOPHRENIC)
S7	16	S6 AND REVIEW
S8	13	RD (unique items)

?logoff

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\$1.62 0.5 DialUnits File155  
\$1.47 7 Type(s) in Format 3  
\$1.47 7 Types  
\$3.09 Estimated cost File155  
\$3.08 0.550 DialUnits File5  
\$3.08 Estimated cost File5  
\$7.04 0.761 DialUnits File73  
\$17.85 7 Type(s) in Format 3  
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OneSearch, 3 files, 1.816 DialUnits FileOS  
\$1.40 TELNET  
\$32.46 Estimated cost this search  
\$32.81 Estimated total session cost 1.907 DialUnits

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